State of New York.
No. 50.
In Assembly, Jan. 24, 1840.

Communication
From the Governor, transmitting several reports relative to the Geological Survey of the state.

Executive Chamber,
Albany, Jan. 24, 1840.

To the Assembly.

Gentlemen,

I transmit herewith the several annual reports of the gentlemen engaged in the Geological Survey of the State.

William H. Seward.

[Assembly No. 50.]

p 3-5 [p. 2 a blank] (2)

Report of the geologists.

[Here follows the report of 2 1/2 pages of date Nov. 15, 1839 and signed by J. E. DeKay, L Vanuxem, E Emmons, W. W. Mather, T. A. Conrad, Jas. Hall. L. C Beck.]

[p 6. a blank]

p. 7.

Letter from J. E. DeKay, of the zoological department.

New York May 7, 1839.

His Excellency W. H. Seward,
Governor of the ~~State of New York~~.

Sir,

I have the honor to submit a list of such of the animals of this state, as have been collected, described and figured under the act for the geological survey.

I am, Sir
With great respect
Your obedient servant,
J. E. DeKay.

(3) p 8.

Catalogue of the animals belonging to the state of New York, as far as they have been figured and described.

January 1, 1839.

Mammalia.

[22 on the list]

Birds,

Family Vulturidae.

Cathartes aura.

Family Falconidae.

Aquila Chrysaëtos.
Haliaëtos leucocephalus.
Pandion carolinensis.
Butaëtes Sancti-Johannis.
Buteo borealis.
B. hyemalis.
B. pensylvanicus.
Nauclerus furcatus.
Falco anatum.
F. columbarius.

p 8 continued.

Cerchneis sparverius.
Accipiter fuscus.
Astur cooperi.
A. atricapillus.
Strigiceps uliginosus.

Family Strigidae.
Surnia funeria.
Nyctea candida.
Scops asio.
Bubo virginianus.
Brachyotus palustris.
Ulula nebulosa.
Nyctale acadica.

Family Caprimulgidae.
Antrostomus vociferus.
Cordeiles virginianus.

Family Hirundinidae.
Chaetura pelasgia.
Progne purpurea.

p 8. continued

Chelidon bicolor.
Cotyle riparia.
Hirundo fulva.
H. rufa.

Family Ampelidae.
Bombycilla garrula.
B. carolinensis

Family Alcedinidae.
Ceryle alcyon.

Family Trochilidae.
Trochilus colubris.

Family Certhidae.
Sitta carolinensis.
S. canadensis.
Certhia americana.
Thryothorus ludovicianus.
T. palustris.
Troglodytes aëdon.
T. hyemalis.
T brevirostris.

p. 8 continued.

Family Orphidae.

Sialia Wilsoni.
Turdus migratorius.
T. mustelinus.
T. solitarius.
T. minor.
T. Wilsoni.
Mimus polyglottus.
M. rufus.
M. felivox.
Anthus ludovicianus.
Regulus satrapa.
R. calendula.
Parus atricapillus.
P. bicolor.
Trichus marilandica.
Tr. philadelphia.
Vermivora pennsylvanica.
V. protonotarius.
V. solitaria.
V. chrysoptera.
V. peregrina.
V. rubricapilla.

pp. 8, 9.

Seiurus aurocapillus.
S. noveboracensis.
Sylvicola ruficapilla.
S. maculosa.
S. maritima.
S. pardalina.
S. virens.
S. Blackburniae.
S. icterocephala
S. castanea.
S. striata.
S. piceus.
p. 9. S. parus.
S. discolor.
S. aestiva.
S. formosa.
S. canadensis.
S. *cerulea.
Wilsonia minuta.
W. pusilla.
Culicivora *caerulea.

*sic

p 9 continued

Family Muscicapidae.

Setophaga ruticilla.
Tyrannula pusilla.
T. acadica.
T. virens.
T. fusca.
Tyrannus Cooperi.
Milvulus tyrannus.
Icteria viridis.
Vireo flavifrons.
V. solitarius.
V. noveboracensis.
V. gilvus.
V. olivaceus.

Family Corvidae.

Perisoreus canadensis.
Cyanocorax cristatus.
Pica hudsonica.
Corvus ossifragus.
C. americanus.
C. catolotl.
Quiscalus versicolor.

 p.9 continued.

Family Corvidae continued.

Scolecophagus ferrugineus.
Sturnella ludoviciana.
Icterus baltimore.
I. spurius.
Agelaius phenieeus.
Molothrus pecoris.
Dolichonyx oryzivorus.

Family Fringillidae.

Guiraca cerulea.
G. ludoviciana.
Struthus hyemalis.
Passarella iliaca.
Zonotrichia melodia.
Z. graminea.
Z. pennsylvanica.
Z. leucophrys.
Euspiza americana.
Coturniculus passerinus.
Ammodramus maritimus.
A. caudacutus.
Passerculus savana.

Passerculus palustris.
Spizella canadensis.
S. socialis.
S. pusilla.
Chrysomitris tristis.
C. pinus.
Linota linaria.
Erythrospiza purpurea.
Cardinalis virginianus
Pipilo erythropthalmus.
Spiza cyanea.
Pyranga rubra.
Plectropharus lapponicus.
P. nivalis.
Philéremos cornutus.
Corythus enucleater.
Loxia americana.
L. leucoptera.
Family Picidae.
Dryotomus pileatus.
Picus villosus.
P. varius.

Picus pubescens.
Apternus arcticus.
Melanerpes erythrocephalus.
Centurus carolinus
Colaptes auratus.
Family Cuculidae.
Erythrophrys erythropthalmus.
E. americanus.
Family Columbidae.
Ectopistes migratoria.
E. carolinensis.
Family Tetraonidae.
Ortyx virginiana, male and female.
Bonasia umbellus.
Tetrao cupido.
Family Charadridae.
page 10. Egialites semipalmatus.
E. melodus.
E. Wilsonius.
E. vociferus.
Charadrius virginiacus.
Squatarola helvetica.

p 10 ~~continues~~.

Strepsilas interpres.
Haematopus palliatus
Family Psophidae.
Grus americana, adult and young.
Egretta leuce.
E. candidissima.
E. ludoviciana.
Herodias virescens.
Ardeola exilis.
Botaurus minor.
Nycticorax americanus
Ibis alba.
Numenius longirostris.
N. hudsonius.
N. borealis.
Hemipalama himantopus.
Heteropoda semipalmata
Tringa maritima.
T. rufescens.
Pelidna subarquata.
P. cinclus
P. Schinzi.

p. 10 continued

Family Scolopacidae continued.

Pelidna pectoralis.

P. islandica.

Calidris arenaria.

Actitis macularius.

Actiturus Bartramius.

Totanus flavipes.

T. chloropygius.

T. melanoleucus.

Machetes pugnax.

Catoptrophorus semipalmatus.

Limosa fedoa.

L. hudsonica.

Macroramphus griseus.

Gallinago Wilsoni

Rusticola minor.

Family Rallidae.

Rallus elegans.

R. crepitans.

R. virginianus.

Ortygometra carolina.

O. noveboracensis.

Gallinula galeata.
Fulica americana.
Family Phalaropodidae.
Phalaropus fulicarius.
Lobipes hyperboreus.
Holopodius Wilsoni.
Family Recurvirostridae.
Recurvirostra americana.
Family Anatidae.
Anser albifrons
Chaulelasmus streperus.
Querquedula carolinensis.
Aix sponsa.
Fuligula rufitorques.
Camptorhynchus labradorus
Clangula albeola.
C. histrionica
Erismatura rubida.
Family Pelecanidae.
Phalacracorax dilophus.
Family Laridae.
Rhynchops nigra

Sterna Wilsoni.
S. arctica.
S. Dougalli.
S. argentea.
Hydrochelidon nigrum.
Thalasseus cantiacus.
T. cayanus.
Gelochelidon aranea.
Xema Sabini.
X. Bonaparti.
X. atricilla.
Larus glaucus.
L. marinus.
L. zonorhyncus.
L. canus.
L. argentatus.
Lestris pomarinus.
L. Buffoni.
L. Richardsoni.
L dubius.
p11. Family Procellaridae.
Puffinus obscurus.

p. 11.

Puffinus cinereus
Thalassidroma Wilsoni.

Family Colymbidae.
Sylbeocyclus carolinensis.
Podiceps rubricollis.
Colymbus septentrionalis.

Family Alcidae.
Uria grylle.
Mergulus alle.
Mormon arcticus.
Utamania torda.

[Then follow reptiles fishes &c to p. 14.]
[p. 15-17. The "Report of J. E. DeKay, of the Zoological department.]
At bottom of page 17 begins a list of the fauna of the state so far as known, including some not then seen in the state but observed both to the south and north of it — reaching through page 36. Those figured and described are marked with an asterisk *. Dated Dec. 20, 1839.

Extract from

Report of J. E. DeKay,

Dec. 20, 1839.

Extract from "Report of J. E. De Kay, of the Zoological Department. Dec. 20, 1839. pp. 20-25.

The catalogue of the fauna, from which the following list of birds is taken, appears to be a list of the animals &c described in the quarto report. A note says the names to which an asterisk * is affixed are of those "species which have been figured in this report." But there are no figures or plates in this report of Dec. 20, 1839.

Birds. [Page 20]

Sub-class 1. Insessores.

Order 1. Accipitres.

Family Vulturidae.

* Cathartes aura.

 [Page 21]

Family Falconidae.

* Aquila chrysaëtos.
* Haliaëtos leucocephalus
* Pandion carolinensis.
* Buteo Sancti-Johannis.
* B. Swainsoni.
* B. borealis.
* B. hyemalis.
* B. pennsylvanicus.
* Nauclerus furcatus.
* Falco anatum.
* Falco columbarius.
* F. sparverius.
* Accipiter fuscus.
* Astur Cooperi.
* A. atricapillus.
* Strigiceps uliginosus.

Family Strigidae.

* Surnia funerea.
* S. nyctea.
* Bubo asio.
* B. virginianus.
* Syrnium cinereum ?
* Otus americanus.
* O. brachyotus.
* Ulula nebulosa.
* Nyctale acadica.
* Strix pratincola.

Order 2. Passeres.

Section 1. Ambulatores.

Family Caprimulgidae.

* Caprimulgus vociferus
* Caprimulgus virginianus.

Family Hirundinidae.

* Chaëtura plasgia.
* Hirundo purpurea.
* H. bicolor.
* H. riparia.
* Hirundo fulva.
* Hirundo rufa.
* H. serripennis.

Family Ampelidae.

* Bombycilla garrula.
* Bombycilla carolinensis.

Family Alcedinidae.

* Alcedo alcyon.

Family Trochilidae.

* Trochilus colubris.

Family Certhidae.

* Sitta carolinensis.
* S. canadensis.
* Certhia familiaris
* Thryothorus ludovicianus.
* T. palustris.
Troglodytes americanus?
* T. aëdon.
* T. hyemalis.
* T. brevirostris.

[Page 29.]

Family Turdidae.

* Sialia Wilsoni.
* Turdus migratorius.
* T. mustelinus.
* T. solitarius.
* T. minor.
* Seiurus aurocapillus.
* S. noveboracensis.
* Sylvicola coronata.
* S. ruficapilla.
* S. maculosa.

* Turdus Wilsoni.
* Mimus polyglottus.
* M. rufus.
* M. carolinensis.
* Anthus rufus.
* Regulus satrapa.
* R. calendula
* Parus atricapillus.
* P. bicolor.
* Trichas marilandica.
* T. philadelphia.
* Vermivora pennsylvanica.
* V. Swainsoni.
* V. protonotaria
* Sylvicola maritima.
* S. pardalina.
S. pensilis?
* S. virens.
* S. Blackburnia.
* S. icterocephala
* S. castanea.
* S. striata.
* S. pinus.
* S. montana.
* S. discolor.
* S. aestiva.
* S. formosa.
* S. canadensis.

 [Page

Family Turdidae continued.

* Vermivora solitaria.
* V. chrysoptera.
* V. peregrina.
* V. rubricapilla.
* V. celata.
* Sylvicola caerulea.
* Wilsonia mitrata.
* W. pusilla.
* Culicivora caerulea.

Family Muscicapidae.

* Setophaga ruticilla.
* Tyrannula pusilla.
* T. acadica.
* T. virens.
* T. fusca.
* Tyrannus cooperi.
* T. crinitus.
*. Milvalus tyrannus
* Icteria viridis
* Vireo flavifrons.
* V. solitarius.
* V. noveboracensis.
* V. gilvus.
V. Bartrami.
V. Olivaceus.

Family Lanidae.

* Lanius borealis.

Family Corvidae.

* Garrulus canadensis.
* G. cristatus.
* Pica melanoleuca.
* Corvus americanus.
* C. ossifragus.
* C. catototl.
* Quiscalus versicolor.
* Quiscalus ferrugineus.
* Sturnella ludoviciana.
* Icterus baltimore.
* I. spurius.
* Agelaius phoeniceus.
* Molothrus pecoris.
* Dolichonyx oryzivora.

[Page 23.]

Family Fringillidae.

* Coccoborus ceruleus.
* C. ludovicianus.
* Niphea hiemalis.
* Fringilla iliaca.
* Euspiza americana.
* Ammodramus maritimus.

Family Fringillidae continues.

* Zonotrichia melodia.
* Z. graminea.
* Z. pennsylvanica.
* Z. leucophrys.
* Coturniculus passerinus.
* C. Henslowi.
* Passerculus palustris.
P. Lincolni?
* Emberiza canadensis.
* E. socialis.
* E. pusilla.
* Linaria pinus.
* L. minor.
L. borealis?

* Ammodramus caudacutus.
* Carduelis tristis.
* Erythrospiza purpurea.
* Pitylus cardinalis.
* Pipilo erythropthalmus.
* Spiza cyanea.
* Pyranga rubra.
* P. aestiva
* Plectrophanes lapponicus.
* P. nivalis.
* Alauda cornuta.
* Corythus enucleator.
* Loxia americana.
* L. leucoptera.

Section 2. Scansores.

Family Picidae.

* Picus pileatus.
* P. villosus.
* P. varius.
* P. pubescens.

* Apternus articus.
* Melanerpes erythrocephalus.
* Centurus carolinus.
* Colaptes auratus.

Family Cuculidae.

* Coccyzus americanus.
* Coccyzus erythropthalmus.

Section 3. Gyrantes.

Family Columbidae.

* Ectopistes carolinensis.
* Ectopistes migratoria.

Subclass 2. Grallatores.

Order Gallinae

Family Phasianidae.

* Meleagris gallopavo.

Family Tetraonidae.

* Ortyx virginiana
* Bonasia umbellus.
* Tetrao cupido.
* T. canadensis.

[Page 24.]

Order Grallae.

Family Charadridae.

* Egialites semipalmatus.
* E. melodus.
* E. Wilsonius.
* E. marmoratus.
* Squatarola helvetica.
* Strepsilas interpres.
* Haematopus palliatus.

Family Gruidae.

* Grus americana.
* Ardea herodios.
* Egretta leuce.
* E. candidissima
Egretta ludoviciana.
E. cerulea.
Herodias virescens.
Ardeola exilis.

Family Gruidae continued.

* Botaurus minor.
* Nycticorax americanus.
* Nycticorax violaceus.

Family Tantalidae.

* Ibis alba.
Ibis ordi.

Family Scolopacidae.

* Numenius longirostris.
* N. hudsonicus.
* N. borealis.
* Hemipalama himantopus.
* H. semipalmata.
* Tringa maritima.
* Tringa rufescens.
* Pelidna subarquata.
* P. cinclus.
* Pelidna Schinzi.
* P. pectoralis.
* P. pusilla.
* Calidris arenaria.
* Machetes pugnax, accidental.
* Totanus macularius.
* T. Bartramius.
* T. flavipes.
* T. chloropygius.

Family Scolopacidae. continued.

* Totanus melanoleucus.
* T. semipalmatus.
* Limosa fedoa.
* L. hudsonica.
* Macroramphus noveboracensis.
* Gallinago Wilsoni.
* Rusticola minor.

Family Rallidae.

* Rallus elegans.
* R. crepitans.
* R. virginianus
* Ortygometra noveboracensis.
* Ortygometra carolina.
* Gallinula galeata.
* Fulica americana.

Family Phalaropidae.

* Phalaropus fulicarius.
* Lobipes hyperboreus
* Lobipes Wilsoni.

Family Recurvirostridae.

* Recurvirostra americana.

[Page 25.]

Order Anseres.

Family Anatidae.

* Cygnus americanus.
* Anser hyperboreus.
* A. albifrons.
* A. canadensis.
A. Hutchinsi?
* A. brenta.
* Anas sponsa.
* A. boschas.
* A. discors
* A. obscura.
* Anas strepera.
* Mareca americana.
* Rhynchaspis clypeata.
* Querquedula carolinensis.
* Somateria mollissima.
* S. spectabilis.
* Oidemia perspicillata.
* O. fusca.
* O. americana.
* Fuligula valisneria.

Family Anatidae continued.

Fuligula erythrocephala.
* F. marila.
* F. rufitorques
* F. Labradora
* Clangula americana.
* Clangula albeola.
* C. histrionica.
* Harelda glacialis.
* Erismatura rubida.

Family Mergidae.

* Merganser castor.
* M. serrator.
* Merganser cucullatus.

Family Pelecanidae.

* Phalacracorax carbo.
* P. dilophus.
Pelecanus americanus?
* Pelecanus fuscus.
* Sula bassana.
S. fusca.

Family Laridae.

* Rhynchops nigra.
* Sterna Wilsoni.
* S. hirundo.
S. arctica.
* S. dougalli.
* S. argentea.
* Hydrochelidon nigrum.
* Thalasseus cantiacus.
* T. cayanus.
* Gelochelidon aranea.
* Xema Sabini.
* X. Bonapartii.
* X. atricilla.
Rissa tridactyla.
* Larus glaucus.
* L. marinus.
* L. zonorhyncus.
L. leucopterus.
L. argentatus.
* Lestris pomarinus.
* L. Richardsoni.
Procellaria glacialis?
* Puffinus obscurus.
* P. cinereus.
* Thalassidroma Wilsoni.
* T. Leachi.

Family Colymbidae.

* Sylbeocyclus carolinensis. * Podiceps cristatus.
* Podiceps auritus. * Colymbus glacialis.
P. cornutus. * C. septentrionalis.
* P. rubricollis.

[Page 26.] Family Alcidae.

Uria troile? * Mormon arcticus.
* U. grylle. * Utamania torda.
* Mergulus alle.

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